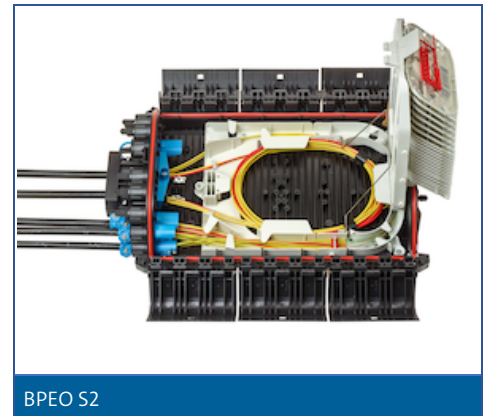


# Fibre Closures BPEO S2 & S3

Fibre closures BPEO size 2 and size 3 are high-capacity closures designed for use within the trunk and feeder segments of a fibre network. Both closure sizes are perfectly suited for splitter or DWDM. They are watertight and can be pressurized for applications in all environments and mounting locations - buried, within a manhole, on the wall, or on a pole. The organiser in a BPEO S2 closure can accommodate up to 28 1-slot splice trays. It has a typical capacity of 336 fusion splices when using the standard-density 1-slot tray. This amount can double when using G.657 fibre with the high-density 1-slot tray. The BPEO S3 organiser contains 48 slot positions for splice trays (1-slot). It has a typical capacity of 576 fusion splices when using the standard-density 1-slot tray. This amount can double when using G.657 fibre with the high-density 1-slot tray.



BPEO S2

### Specifications

- General sealing: IP68
- 5-meter water height, 7 days
- Impact test: 20 joules, IK10 (ambient)
- Volume S2: 17.3 liters
- Volume S3: 23.8 liters

### Features and benefits

Applicable in a wide range of locations	Can be pressurised for applications in all environments and mounting locations – buried, within a manhole, on the wall, or on a pole.
IP68 design	Reliable and watertight, with an integrated valve for flash on-site testing
Tool-less opening and closing	Quick-and-easy installation
Integrated sealing gasket	Ensures water tightness and remains functional even after several open/close operations
ECAM Port	Modular with two configurations
Efficient use of space	Capacity of S2: 17.3 & S3: 23.8 liters
Tray organiser	<p>Enables management of:</p> <ul style="list-style-type: none"> <li>- S2: up to 28 splice trays (5 mm). It has a typical capacity of 336 fusion splices when using the standard-density 5 mm tray. This amount can double when using G.657 fibre and the high-density 5 mm tray.</li> <li>- S3: contains 48 slot positions for splice trays (5 mm). It has a typical capacity of 576 fusion splices when using the standard density 5 mm tray. This amount can double when using G.657 fibre and the high-density 5 mm tray.</li> </ul>

## Dimensions overall: in (mm)

Size	Length	Width	Depth closure support	Depth with wall support	Depth with pole/wall support
BPEO S2	20.5 (520)	13.4 (341)	5.9 (149)	6.0 (154)	7.0 (178)
BPEO S3	26.0 (661)	13.4 (341)	5.9 (149)	6.0 (154)	7.0 (178)

## Mid-span access


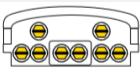
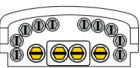
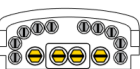
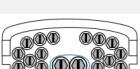

Mid-span entry (uncut)	Yes				
Tube storage	Closure model	BPEO-S2		BPEO-S3	
	Microstructure Loose tube 2.3 mm	Up to 576 fibres modulo 12 Up to 11 loose tubes		Up to 576 fibres modulo 12 Up to 23 loose tubes	

## Capacity

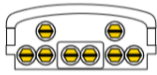
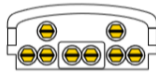
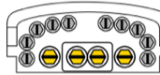
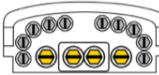
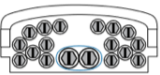
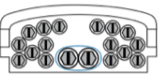
Capacity depends directly on the volume of stored/unused fibres/tubes.

Closure size	Maximum number of slots per organiser	Fusion splices in 2-slot tray, standard density for G652D and G657 fibre	Fusion splice 1-slot tray, standard density for G.652D and G657 fibre	Fusion splices 1-slot tray (high density for G.657 fibre)	Fibrlok® mechanical splice in 1-slot tray
BPEO Size 2	28	168	336	672	168
BPEO Size 3	48	288	576	1152	288

## BPEO S2: ordering information

Port Configuration	Description	Delivery Unit	Reference	Part Number
	BPEO-S2-CDP Local convergence point for one express cable and six branch cables. Organiser holds up to 28 splice trays.	1	N501491A	FQ100068227
	BPEO-S3-CDP Local convergence point for one express cable and six branch cables. Organiser holds up to 48 splice trays.		N501494A	FQ100068250
	BPEO-S2-EDP End distribution point for up to one express cable and 12 branch cables. Organiser holds up to 28 splice trays.	1	N501492A	FQ100068235
	BPEO-S3-EDP End distribution point for up to one express cable and 12 branch cables. Organiser holds up to 48 splice trays.		N501495A	FQ100068268
	BPEO-S2-BDP Branch distribution point for up to one express cable and 16 branch cables. Organiser holds up to 28 splice trays.	1	N501852A	UU008274092
	BPEO-S3-BDP Branch distribution point for up to one express cable and 16 branch cables. Organiser holds up to 48 splice trays.		N501998A	N501998A

## Selection table

	BPEO-S2 CDP	BPEO-S3 CDP	BPEO-S2 EDP	BPEO-S3 EDP	BPEO-S2 BDP	BPEO-S3 BDP
						
BPEO Size	S2	S3	S2	S3	S2	S3
Volume	< 20 L	< 30 L	< 20 L	< 30 L	< 20 L	< 30 L
Number and types of entry ports with max diameters in mm	1 Double Port D20 6 Single Ports S18	1 Double Port D20 6 Single Ports S18	1 Double Port D20 2 Single Ports S18 10 Single Ports S12	1 Double Port D20 2 Single Ports S18 10 Single Ports S12	1 Double Port D18 16 Single Ports S12	1 Double Port D18 16 Single Ports S12
Dual port can be used also	2 x S18	2 x S18	2 x S18	2 x S18	2 x S12	2 x S12
Cable entry for dual port	ECAM D27	ECAM D27	ECAM D27	ECAM D27	ECAM D18	ECAM D18
Cable range	5-27 mm	5-27 mm	5-27 mm	5-27 mm	6-18 mm	6-18 mm
Cable entry for port S12			ECAM S12	ECAM S12	ECAM S12	ECAM
Cable range selected			4-12 mm	4-12 mm	4-12 mm	4-12 mm
Cable entry for port S18	ECAM S18	ECAM S18	ECAM S18	ECAM S18		
Cable range selected	5-18 mm	5-18 mm	5-18 mm	5-18 mm		
Organiser capacity	28 slots	48 slots	28 slots	48 slots	28 slots	48 slots
Splice capacity requested Number and types of trays	336/672 28 trays x 12/24 splices	576/1152 48 trays x 12/24 splices	336/672 28 trays x 12/24 splices	576/1152 48 trays x 12/24 splices	336/672 28 trays x 12/24 splices	576 /1152 48 trays x 12/24 splices
Splitter capacity	56	96	56	96	56	96

## Mounting brackets

Type	Description	Delivery Unit	Part Number	Application
	Wall/Pole Plastic Bracket for use with Fibre closures BPEO size 2 & size 3 N711600A	5	FQ100075917	Wall/Manhole Pole

Separate specification documents provide information on ECAMs and splice trays as well as compatible cables. A complete fibre closure catalogue is available [on our web site](#), with literature code CRR 917.

# CORNING

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